

**EESC** enables students to develop valuable skills and qualifications that are marketable in the local community and gain experience in an authentic workplace learning environment. EESC maximises the potential of securing a career in the engineering and manufacturing trades.

Located on-site at NRG Gladstone Power Station, the award winning EESC program offers a unique industrial 'real work' environment for year 11 and 12 students who want to pursue a career in the engineering and manufacturing trades. EESC boasts a well-equipped workshop that provides a learning environment closely mirroring industry expectations, ethics and safety standards. Students remain enrolled at their base school and attend 1½ days at EESC, 1 day structured work placement, and 2½ days at their regular school to complete academic studies.

## Build your career

Students develop their trade skills on industrial machinery, work towards completion of certificate competencies and gain 'work ready' skills that are highly sought after by employers.

*Workplace learning opportunities may enhance a students potential of securing an apprenticeship in other trades such as electrical.*

### Pathway to engineering and manufacturing



These qualifications are designed to provide an industry recognised skills profile related to production work in the engineering and manufacturing trades. Assessment techniques include practical tasks (projects); objective and short answer tests; and safe working practices observed.

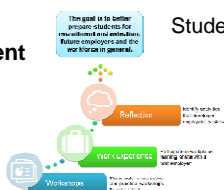
Year 11 Industrial Technology Skills Certificate I in Engineering

Year 12 Certificate II in Engineering

## Develop valuable employability skills

EPMA students participate in the EQIP Career Development Program designed to better prepare students for recruitment and selection, future employers and the workforce in general.

### Career Development Program



Students are provided opportunities to develop and test skills in the following competency areas:

- Communication
- Planning and organising
- Initiative
- Teamwork
- Problem Solving
- Safety Awareness
- Time Management
- Technology
- Work and Learn Independently

### Location

NRG Gladstone Power Station

### Duration

2 year program  
2.5 days per week

### Enrolment

Applications for the 2018 intake will open on 10<sup>th</sup> July and close on 1<sup>st</sup> September 2017

Nationally Recognised Qualification	YES
OP eligible	NO
VET qualifications	YES
QCE eligible	YES



## MEM20105: Certificate I and II in Engineering

RTO NUMBER 30444

Students will receive a Statement of Attainment or a Certificate showing their level of competency.

Unit #	Course competency	CI = 2 QCE points; CII = 4 QCE points
<b>Core units:</b>		
MEM13014A	Apply principles of OH&S in a work environment	
MEM14004A	Plan to undertake a routine task	
MEM16007A	Work with others in a manufacturing, engineering or related environment	
MEM15002A	Apply quality systems	
MEM15024A	Apply quality procedures	
<b>Elective units:</b>		
MEM12024A	Perform computations	
MEM0732B	Use workshop machines for basic operations	
MEM03001B	Perform manual production assembly	
MEM05005B	Carry out mechanical cutting	
MEM05004C	Perform routine oxy acetylene welding	
MEM05006B	Perform brazing and/or silver soldering	
MEM05007C	Perform manual heating and thermal cutting	
MEM05012C	Perform routine manual metal arc welding	
MEM16008A	Interact with computer technology	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MEM05050B	Perform routine gas metal arc welding	
MEM12023A	Perform engineering measurements	



### Industrial Technology Skills

Unit 1. Automotive Electrical, Automotive Mechanical: induction and Safety.

Unit 2. Automotive Mechanical: Bicycle Bearings.

Unit 3. Automotive Mechanical: 2 Stroke motors.

Unit 4. Automotive Graphics, Sheet metal working, Engineering drafting: Working drawing, Furnishing Drafting.

Unit 5. Automotive Graphics: Floor plan, Building and construction drafting.

Unit 6. Automotive Mechanical: Trailer bearings.

Unit 7. Automotive Mechanical: Vehicle servicing.

Unit 8. Automotive Electrical, Engineering Drafting: Wiring diagram

### Recognition of Prior Learning (RPL):

A student's prior units of competency that were successfully completed in the Certificate I are taken into account. Successfully completed units of competency may be recognised using the national standard for Mutual Recognition or through Recognition of Prior Learning (RPL). Documentary evidence will be requested.



### Application and Selection Process

EQIP undertake a rigorous and consistent recruitment and selection process to ensure that our students are the best fit for the program. When submitting the 'Expression of Interest' form, please attach a current student resume, teacher references and the latest report card. While it is recommended that students have a pass in Year 10 Maths and English, other factors are taken into account such as behaviour and effort. Offers will be made in Term 4 of the current school year for the next year intake. Expression of Interest forms are available by visiting the EQIP website or contacting our office.



### Costs

Student levies are reviewed on an annual basis to ensure that the fees are reasonable and can recover a portion of the costs that are incurred through delivery of EQIP Programs on campus or off-site at our specialised learning facilities. Refer to the EQIP website for the EQIP Fees and Payment Policy for course fees and enrolment conditions.



### Program Curriculum and VET Qualifications

Vocational Education and Training in Schools (VETiS) focuses on delivering qualifications to provide students with the skills and knowledge required for specific industries. From 1 July 2014, the VET investment budget provides funding for ONE (1) qualification (fee-free) in a skills shortage area for students enrolled in schools. If the qualification is NOT listed on the Queensland Training Subsidies list students are required to pay full fees (fee-for-service). EQIP reserves the right to change program certificates and pathways to ensure alignment to available Vocational Education Training in Schools (VETiS) funded options and local business and industry employment needs.